



PTO/SB/08A (08-03)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

Sheet 1

of 5

**Complete if Known**

Application Number	10/796236
Filing Date	March 8, 2004
First Named Inventor	Guanghua G. Zhang
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	PEN-106/US

U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
I-A		US- 5,166,668	11-24-1992	Aoyagi
A		US- 5,239,489	08-24-1993	Russell
		US- 5,434,371	07-18-1995	Brooks
		US- 5,764,611	06-09-1998	Watanabe
		US- 5,786,804	07-28-1998	Gordon
		US- 5,850,058	12-15-1998	Tano et al.
		US- 5,902,968	05-11-1999	Sato et al.
		US- 5,959,617	09-28-1999	Bird et al.
		US- 5,977,958	11-02-1999	Baron et al.
		US- 5,981,884	11-09-1999	Sato et al.
		US- 6,023,291	02-08-2000	Kamel et al.
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		US- 6,181,329 B1	01-30-2001	Stork et al.
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	↓	US- 6,249,274 B1	06-19-2001	Svancarek et al.
I-A		US- 6,291,829 B1	09-18-2001	Allen et al.

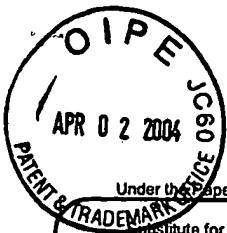
FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		JP- 6,67,799	03-11-1994	Munemasa
		WO- 02/17222-A2	02-28-2002	IBM

Examiner Signature		Date Considered	11/26/05
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

of 5

**Complete if Known**

Application Number	10/796236
Filing Date	March 8, 2004
First Named Inventor	Guanghua G. Zhang
Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	PEN-106/US

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
I-A.		US- 6,330,057 B1	12-11-2001	Lederer et al.	
A		US- 6,424,407 B1	07-23-2002	Kinrot et al	
		US- 6,492,981 B1	12-10-2002	Stork et al.	
		US- 6,493,032 B1	12-10-2002	Wallerstein et al.	
		US- 6,556,190 B1	04-29-2003	Fleck et al.	
		US- 6,592,039 B1	07-15-2003	Smith et al.	
		US- 6,627,870 B1	09-30-2003	Lapstun et al.	
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		US- 6,650,320 B1	11-18-2003	Zimmerman	
		US- 6,686,579 B2	02-03-2004	Fagin et al.	
		US- 2002/0001029 A1	01-03-2002	Abe	
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		US- 2002/0141616 A1	10-03-2002	Cox et al.	
		US- 2002/0148655 A1	10-17-2002	Cho et al.	
		US- 2002/0180714 A1	12-05-2002	Duret	
		US- 2003/0025951 A1	02-06-2003	Pollard et al.	
		US- 2003/0029919 A1	02-13-2003	Lynggaard et al.	
↓		US- 2003/0034961 A1	02-20-2003	Kao	
I-A.		US- 2003/0063200 A1	04-03-2003	Isayama	

**FOREIGN PATENT DOCUMENTS**

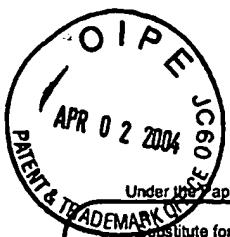
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature	<i>[Signature]</i>	Date Considered	11/26/05
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*(Use as many sheets as necessary.)*

Sheet 1

5

<b>Complete if Known</b>	
Application Number	10/796236
Date	March 8, 2004
Named Inventor	Guanghua G. Zhang
Unit	Not yet assigned
Assignee Name	Not yet assigned
Attorney Docket Number	PEN-106/US

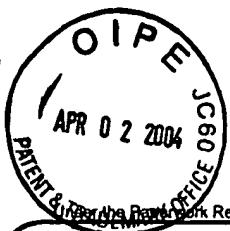
## **U. S. PATENT DOCUMENTS**

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**Complete if Known****INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

4

of

5

Application Number

10/796236

Filing Date

March 8, 2004

First Named Inventor

Guanghua G. Zhang

Art Unit

Not yet assigned

Examiner Name

Not yet assigned

Attorney Docket Number

PEN-106/US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
J.A.	-	AIT-AIDER ET AL., "Adaptation of Lowe's Camera Pose Recovery Algorithm to Mobile Robot Self-Localisation", Robotica 2002.	
↑	4	AIT-AIDER ET AL., "Model to Image Straight Line Matching Method for Vision-Based Indoor Mobile Robot Self-Location", IROS 2002, Lausanne, 30 Sept. - 4 Oct.	
	✓	ANSAR ET AL., "Linear Pose Estimation from Points or Lines", ECCV 2002, LNCS 2353, pp. 282-296, Springer-Verlag Berlin Heidelberg 2002.	
	△	BATISTA ET AL., "Pose View Stability Analysis for Camera Look Angles Computation", Institute of Systems and Robotics - Dep. of Elec. Engineering, Univ. of Coimbra, Portugal.	
	-	FAUGERAS, Three-Dimensional Computer Vision: A Geometric Viewpoint, Cambridge, MA: MIT Press 1993. ISBN 262-06158-9	
		GOLDSTEIN, ET AL., Classical Mechanics, 3rd Edition, Addison Wesley 2002.	
		SCHRAMM ET AL., "Computer Graphic Simulation of Light Reflection from Paper", IS&T PICS Conference, 1998, pp.412-423.	
		SCHROERING ET AL., "A New Input Device for 3D Sketching", Washington University in St. Louis.	
↓		SHRIKHANDE AND STOCKMAM, "Surface Orientation from a Projection Grid", PAMI (11), No. 6, June 1989, pp. 650 - 655.	
J.A.		TRUCCO, EMANUELE, VERRI, ALESSANDRO, Introductory Techniques for 3-D Computer Vision, New York: Prentice Hall 1998. ISBN 0-13-261108-2	

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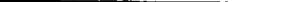
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Substitute for Form 1449/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/796236
				Filing Date	March 8, 2004
				First Named Inventor	Guanghua G. Zhang
				Art Unit	Not yet assigned
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Sheet	5	of	5	Attorney Docket Number	
				PEN-106/US	

## NON-PATENT LITERATURE DOCUMENTS

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